ELECTRONIC BOARD ASSEMBLY INCLUDING TWO ELEMENTARY BOARDS EACH CARRYING CONNECTORS ON AN EDGE THEREOF

ABSTRACT

An electronic board assembly carrying connectors on each side of its lower edge which is adapted to withstand the relatively strong forces required to insert or remove the assembly, e.g., from a backplane board, and yet provide many electrical contacts along the interconnection sites.. The electronic board assembly comprises two symmetrical elementary PCBs electrically coupled together, each carrying a connector on its external lower edge. In one embodiment, these two PCBs are coupled together by a flexible adhesive insulative layer and maintained by mechanical devices such that the distance between these two connectors is set to a predetermined distance (to align precisely with the backplane board). The mechanical device used to maintain a predetermined distance between the two connectors of the assembly may comprise a U-shaped member, the upper part of this member being strategically inserted between these connectors. Electrical communication between these PCBs is accomplished using conductive vias or parts, within the adhesive insulative layer.